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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/866,877	05/30/2001	Jesse Ambrose	SIEB019/01US	4487
25096	7590	03/15/2005	EXAMINER	
PERKINS COIE LLP PATENT-SEA P.O. BOX 1247 SEATTLE, WA 98111-1247			BURGE, LONDRA C	
			ART UNIT	PAPER NUMBER
			2178	

DATE MAILED: 03/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/866,877	AMBROSE ET AL.	
	Examiner	Art Unit	
	Londra C Burge	2178	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 December 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: Amendment filed 12/3/2004.
2. In the amendment, claims 1-20 are pending. Claims 1, 9 and 15 are independent claims. Claims 15-20 are newly added claims.
3. This application has been made Non-Final.

Drawings

4. The Drawings have been accepted by the examiner.

Claim Rejections - 35 USC § 103

5. **The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:**

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claims 1-14 remain, 15-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Agarwal et al. (herein after Agarwal) U.S. Patent No. 5,842,196 files 4/3/1996 provided by the applicant in view of Faustini U.S. Patent No. 5,842,020 files 1/31/1997 provided by the applicant.**

In regard to independent claim 1, Agarwal discloses *a client server system comprising a thin client interface residing on at least one client and a an object manager and an application residing on one or more servers, said object manager interposed between said client and said application server* (Agarwal Col 2 Lines 13-15 Col 4 Lines 26-67 and Col 3 Lines 35-46).

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Agarwal does not specifically mention said *application server comprising one or more of business objects, and business components*. However, Faustini mentions business application objects and components (Faustini Col 8 Lines 12-57). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of including servers having business objects and components which would be supported by numerous companies as taught by Faustini Col 8 Lines 40-45.

In regard to dependent claim 2, Agarwal discloses *wherein the application server comprises a database server*. (Agarwal Col 2 Lines 13-15)

In regard to dependent claim 3, Agarwal does not specifically disclose *wherein object manager run-time engines operate on the business objects and business components*. However, Faustini mentions business application objects and components (Faustini Col 8 Lines 12-57) and a run time environment (Faustini Col 7 Lines 39-46). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of including servers having business objects and components on a run time environment, which would be supported by numerous companies as taught by Faustini Col 8 Lines 40-45.

In regard to dependent claim 4, Agarwal does not specifically disclose *wherein the business objects and business components comprise applets and application objects*. However, Faustini mentions applets and application object (Faustini Title and Col 8 Lines 12-57). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of having applets and application objects, which would be supported by numerous companies as taught by Faustini Col 8 Lines 40-45.

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In regard to dependent claim 5, Agarwal discloses *rules* for object manager run time engines. (Agarwal Col 6 Lines 5-15 i.e. instructions)

Agarwal does not specifically disclose *wherein object manager run time engines enforce repository-defined business processes and rules*. However, Faustini mentions business application objects and components (Faustini Col 8 Lines 12-57) and a run time environment (Faustini Col 7 Lines 39-46). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of including servers having business objects and components on a run time environment, which would be supported by numerous companies as taught by Faustini Col 8 Lines 40-45.

In regard to dependent claim 6, Agarwal discloses *having application objects executing on the client*. (Agarwal Col 2 Lines 13-25)

In regard to dependent claim 7, Agarwal discloses *having user interface objects executing on the client*. (Agarwal Col 4 Lines 10-13 and Col 2 Lines 13-25)

In regard to dependent claim 8, Agarwal discloses *comprising session-based network protocols connecting the client to the object manager*. (Agarwal Col 2 Lines 13-25 Col 4 Lines 26-67 and Col 3 Lines 35-46 and Col 5 Lines 28-33)

In regard to dependent claim 9, Agarwal discloses *a method of connecting a client and one or more servers in a client server network, wherein said client is a thin client, and said one or more servers comprise an object manager and an application residing on one or more servers, said object manager interposed between said client and said application server and establishing a session based network connection between the thin client and the one or more*

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servers (Agarwal Col 2 Lines 13-25 Col 4 Lines 26-67 and Col 3 Lines 35-46 and Col 5 Lines 28-33).

Agarwal does not specifically mention said *and said application server comprising one or more of business objects, and business components, instantiating said one or more business objects*. However, Faustini mentions business application objects and components (Faustini Col 8 Lines 12-57). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of including servers having business objects and components which would be supported by numerous companies as taught by Faustini Col 8 Lines 40-45.

In regard to dependent claim 10, claim 10 in addition to the following reflects similar subject claimed in claim 3 and is rejected along the same rationale. (Agarwal Abstract i.e. method)

In regard to dependent claim 11, claim 11 in addition to the following reflects similar subject claimed in claim 4 and is rejected along the same rationale. (Agarwal Abstract i.e. method)

In regard to dependent claim 12, claim 12 in addition to the following reflects similar subject claimed in claim 5 and is rejected along the same rationale. (Agarwal Abstract i.e. method)

In regard to dependent claim 13, claim 13 in addition to the following reflects similar subject claimed in claim 6 and is rejected along the same rationale. (Agarwal Abstract i.e. method)

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In regard to dependent claim 14, claim 14 in addition to the following reflects similar subject claimed in claim 7 and is rejected along the same rationale. (Agarwal Abstract i.e. method)

In regard to independent claim 15, Agarwal discloses *a thin client interface being operable to execute on a client computer; an object manager being operable to reside on one or more servers, being operable to handle requests from multiple thin clients by; and an application being operable to reside on one or more servers, wherein the object manager is interposed between the thin client and the application and maintaining a status of each client in a corresponding object manager thread.* (Agarwal Col 2 Lines 13-15 Col 4 Lines 26-67 and Col 3 Lines 35-46)

Agarwal does not specifically mention said *application server comprising one or more of business objects, and business components*. However, Faustini mentions business application objects and components (Faustini Col 8 Lines 12-57). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of including servers having business objects and components which would be supported by numerous companies as taught by Faustini Col 8 Lines 40-45.

In regard to dependent claim 16, Agarwal does not specifically disclose *wherein the object manager is a multi-tasking, multi- thread process*. However, Faustini mentions that multithreaded and task processes could be used (Faustini Col 8 Lines 13-30). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of using the multi task and thread process making the invention more efficient.

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In regard to dependent claim 17, Agarwal discloses *wherein the thin clients interface being further operable to provide persistent sessions between the client and application server.* (Agarwal Col 2 Lines 13-25)

In regard to dependent claims 18 and 19, Agarwal does not specifically disclose *wherein the business object is a horizontal application and wherein the business object is a vertical application.* However, Faustini mentions where a horizontal and vertical application can be used (Faustini Figure 5). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of ensuring the entire application for the business is covered.

In regard to dependent claims 20, Agarwal does not specifically disclose *wherein the business object is an internet application.* However, Faustini mentions where the internet is used (Faustini Col 200 Lines 21-31). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Faustini to Agarwal, providing Agarwal the benefit of using the internet for compatibility different applications.

Response to Arguments

7. Applicant's arguments filed 12/3/2004 have been fully considered but they are not persuasive.

The applicant argues Agarwal does not disclose, suggest or teach a thin client interface, nor does it disclose, suggest or teach an object manager interposed between the client and the application server (Page 6 Para 1). However Agarwal teaches similar processes at Agarwal Col 2 Lines 13-15 Col 4 Lines 26-67 and Col 3 Lines 35-46. Agarwal discloses of a client/server

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database system with improved methods for performing record updates, such as those, which occur during an update query. This includes a non-SQL database management system connected to the client/server system used to carry out the invention.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

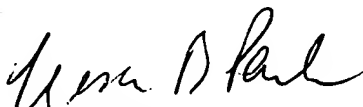
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Londra C Burge whose telephone number is (571) 272-4122. The examiner can normally be reached on 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LCB
3/7/2005


CESAR PAULA
PRIMARY EXAMINER